

1917.

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CITY & COUNTY OF KINGSTON UPON HULL.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

J. WRIGHT MASON, M.B., C.M., D.P.H., M.R.C.S.E.,
MEDICAL OFFICER OF HEALTH.



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SUMMARY OF STATISTICS.

	1917.	1916.
Area of City	9359 acres.	9359 acres.
Height above sea (ordnance datum)	12 feet.	12 feet.
Population	246,357	265,764
Density	26·2 persons per acre.	28·8 persons per acre.
No. of Houses (estimated)	66,110	66,240
No. of persons per house ..	4·1	4·1
No. of Marriages	2,098	2,202
Marriage Rate	17·0	16·3
No. of Births.. ..	5,252	6,712
	(2590 m., 2662 f.)	(3494 m., 3218 f.)
BIRTH RATE	19·1	23·2
Illegitimate Births	334	351
Do. Birth-rate	1·2	1·2
No. of Deaths	3,975	4,266
	(2078 m., 1897 f.)	(2283 m., 1983 f.)
DEATH RATE	16·1	16·6
Infantile Mortality	634 deaths under 1 year, or 120 per 1,000 births.	770 deaths under 1 year, or 114 per 1,000 births.
No. of Zymotic Deaths	326	334
Zymotic Death Rate	1·32	1·24
Diarrhœa Death Rate (all ages)	0·73	1·61
.. .. (under 2 years)	0·61	0·49
Assessable Value	£1,333,738	£1,332,700
Produce of Id. Borough Rate	£5,143	£5,129

NOTE.—In accordance with the estimate of the Registrar General, the death rates are based on a population of 246,357 and the birth rate on a population of 274,618. The former is an estimate of the civilian population; the latter of the total population based on the assumption that the ratio between the total of the civilian population is the same in the city as in England and Wales as a whole.

The deaths of all soldiers and sailors are excluded from these returns

City and County of Kingston upon Hull.

REPORT.

VITAL STATISTICS.

Births.

The returns of the local registrars recorded 5,252 births within the City, equal to a rate of 19·1 per thousand of the population, as against 23·2 in the preceeding year, and 24·8 in 1915. The average birth rate for the previous five years (1912-16) was 26·1.

Of the total births 2,590 were males and 2,662 were females.

The number of illegitimate births was 334, equal to a rate of 1·2 per 1000, as against 1·2 in 1916, and 1·1 in 1915.

The subjoined figures shew the number of births and the birth rates for the last ten years :—

Year.	No. of Births.	Birth Rate.
1908	8167	30·5
1909	8037	29·6
1910	8014	29·1
1911	7949	28·5
1912	7834	27·7
1913	7904	27·5
1914	7902	27·1
1915	7230	24·8
1916	6712	23·2
1917	5252	19·1

CAUSES OF, AND AGES AT, DEATH IN LOCALITIES, &c.

CAUSES OF DEATH.		Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.									Nett Deaths of "Residents" whether occurring within or without the District.															Total Deaths in Public Institutions in the District.	
		All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 35 years.	45 and under 65 years.	65 and upwards.	Drypool.	Alexandra.	South-coates.	Beverley.	East Central.	West Central.	Paragon.	Park.	Newland.	White-friars.	Myton.	Botanic.	Albert.	Coltman.	South Newington.		North Newington.
All Causes	Certified	4244	762	232	199	219	177	520	981	1151	278	354	444	130	344	282	170	146	285	103	257	207	226	356	486	176	982
	Uncertified	22	8	..	..	..	..	1	10	3	4	3	2	..	..	4	..	2	1	1	1	..	..	..	4	..	..
Bubonic Plague		1	..	..	..	2	..	1	..	3	..	1	..	3	1	..	1	..	2	..	1	1	..	1	2	..	14
Enteric Fever.....		23	..	..	2	2	5	7	4	3	..	4	4	3	3	1	..	..	2	..	1	..	..	1	..	..	..
Small Pox.....		..	..	..	..	..	..	..	..	..	7	2	10	..	1	..	2	1	..	2	3	1	6	8	13	1	1
Measles		59	15	24	17	3	..	..	..	..	7	1	1	..	..	1	1	1	1	..	3	..	1	1	1	..	7
Scarlet Fever		8	1	2	2	1	..	1	1	..	..	3	8	1	6	3	3	1	4	..	2	1	2	5	10	3	4
Whooping Cough.....		56	23	17	11	5	..	..	..	..	4	3	1	..	6	2	..	3	4	..	2	1	1	1	5	3	8
Diphtheria and Croup.....		24	2	6	7	8	..	1	..	..	1	1	1	..	7	2	..	1	7	..	2	1	1	1	5	3	8
Influenza		61	2	..	..	..	5	8	23	23	8	11	5	3	7	6	1	1	6	..	3	2	4	1	1	2	20
Erysipelas.....		7	1	..	..	..	1	..	1	4	1	1	..	..	1	..	..	..	1	..	1	1	..	1	..	..	3
Phthisis (Pulmonary Tuberculosis)		353	1	3	3	33	72	164	66	11	15	23	36	6	20	27	17	13	18	8	29	23	21	38	45	14	67
Tuberculous Meningitis		53	13	11	15	11	3	..	..	..	4	4	10	2	4	2	..	1	2	1	1	1	1	6	11	3	6
Other Tuberculous Diseases..		87	8	13	21	25	7	8	4	1	3	6	12	2	10	6	2	3	5	..	6	3	2	4	18	5	20
Cancer, malignant disease ...		285	1	..	..	..	3	24	155	102	18	26	27	6	18	29	12	11	23	12	24	18	8	15	27	11	85
Rheumatic Fever		3	..	..	..	..	..	3	..	..	..	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Meningitis.....		52	10	3	10	19	4	3	3	..	3	9	7	..	..	1	2	2	4	1	3	3	3	2	11	1	15
Organic Heart Disease.....		406	..	1	..	12	17	45	200	131	21	37	34	12	31	24	20	18	23	13	28	17	29	34	44	16	79
Bronchitis.....		402	72	17	10	3	2	17	109	174	25	24	41	13	48	34	20	19	16	14	22	17	19	36	38	20	55
Pneumonia (all forms).....		404	121	73	51	24	9	35	61	30	39	41	32	14	37	34	12	7	22	5	19	14	24	45	47	12	89
Other diseases of Resp. organs		57	8	5	6	1	1	9	12	15	1	4	6	2	7	3	2	3	4	1	3	3	4	7	3	4	9
Diarrhoea and Enteritis.....		163	107	25	7	6	..	2	7	9	16	17	28	2	11	5	5	8	5	4	10	4	7	11	19	11	13
Appendicitis and Typhlitis ..		11	..	..	1	6	1	1	1	1	1	1	4	1	..	2	..	1	..	2	..	3	2	..	2	..	9
Cirrhosis of Liver.....		18	..	..	..	1	..	2	13	2	2	1	2	1	..	..	1	1	1	2	..	3	2	..	2	..	2
Alcoholism		4	..	..	..	..	..	2	2	..	..	..	..	..	1	1	..	..	..	1	..	3	2	..	1	..	..
Nephritis and Bright's Disease		75	..	1	1	4	3	11	29	26	4	6	6	5	2	3	4	3	8	1	5	4	2	8	8	6	16
Puerperal Fever.....		6	..	..	..	..	3	3	..	..	..	2	..	1	..	..	1	..	..	1	..	1	..	..	..	..	2
Other accidents and diseases of Pregnancy and Parturition		19	..	..	..	..	2	16	1	..	2	2	..	..	2	1	1	..	2	..	1	2	..	5	1	..	7
Congenital Debility and Malformation, including Premature Birth.....		322	304	10	6	2	..	..	..	..	20	32	43	12	30	31	14	4	19	2	12	6	21	24	43	9	38
Violent Deaths, excluding Suicide		180	7	4	13	23	13	44	46	30	15	21	17	2	9	7	13	1	8	11	13	4	12	17	21	9	79
Suicides.....		18	..	..	..	1	7	6	4	4	..	2	2	1	1	1	1	2	..	1	2	1	..	..	3	1	2
Paralysis and Diseases of Brain		331	..	..	1	6	4	51	154	115	19	24	30	16	30	23	11	10	31	9	19	22	13	27	34	13	90
Old Age		433	..	..	..	..	..	..	17	416	24	25	44	19	35	16	16	27	30	16	23	35	30	31	41	21	114
Other Defined Diseases.....		343	74	17	15	24	19	58	79	57	29	25	35	6	30	23	9	12	37	3	26	16	14	28	39	11	125
Diseases ill-defined or unknown		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS		4266	770	232	199	219	177	521	994	1154	282	357	446	130	344	286	170	148	286	104	258	207	226	356	490	176	982
SUB-ENTRIES—																											
included in above figures																											
Cerebro-Spinal Meningitis....		5	2	..	1	..	2	..	..	..	1	..	3	..	..	..	..	..	..	..	..	1	..	..	..	..	1

INFANT MORTALITY.

NETT DEATHS FROM STATED CAUSES AT VARIOUS AGES
UNDER ONE YEAR OF AGE.

CAUSES OF DEATH.			Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 Months.	3 Months and under 6 Months.	6 Months and under 9 Months.	9 Months and under 12 Months.	Total Deaths under One Year.
All Causes.	(Certified...	...	137	22	18	13	190	125	144	86	80	625
	(Uncertified	..	6	...	...	...	6	1	1	1	...	9
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	1	1	2	8	5	9	9	33
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	1	...	1
Erysipelas	...	...	...	...	...	...	...	1	...	...	...	1
Tuberculous Meningitis	...	...	...	...	...	...	...	...	4	2	1	7
Abdominal Tuberculosis	...	...	...	...	...	...	...	1	3	...	...	4
Other Tuberculous Diseases	...	...	...	...	...	...	...	4	7	...	...	11
Meningitis (<i>not Tuberculous</i>)	...	...	...	1	...	...	1	1	2	4	1	9
Convulsions	...	...	8	3	...	...	11	13	13	5	6	48
Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	...	...	2	3	5	16	9	10	10	50
Pneumonia (all forms)	...	...	...	1	3	1	5	22	18	20	30	95
Diarrhoea	...	...	...	...	...	...	...	22	52	21	13	108
Enteritis	...	...	...	...	...	...	...	4	5	3	2	14
Gastritis	...	...	...	...	...	...	...	1	...	2	2	5
Syphilis	...	...	3	1	1	...	5	3	3	...	...	11
Rickets	...	...	...	...	...	...	...	1	3	3	1	8
Suffocation, overlying	...	...	1	...	1	...	2	2	3	...	1	8
Injury at Birth	...	...	4	...	...	...	1	...	...	...	...	4
Atelectasis	...	...	19	1	1	...	21	4	...	...	...	25
Congenital Malformations	...	...	8	2	1	2	13	1	3	1	...	18
Premature Birth	...	...	80	8	5	4	97	2	...	...	...	99
Atrophy, Debility and Marasmus	...	...	20	3	3	2	28	19	12	3	3	65
Other Causes	...	...	...	2	...	...	2	1	3	3	1	10
Totals	...	...	113	22	18	13	196	126	145	87	80	634

Nett Births in the year	{	legitimate	...	...	4,918
		illegitimate	...	...	334
Nett Deaths in the year of	{	legitimate infants	...	...	634
		illegitimate infants	...	...	82

VITAL STATISTICS OF WHOLE DISTRICT DURING 1917 AND PREVIOUS YEARS.

YEAR.	Population estimated for each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.		
		Un-corrected Number.	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.
			Number.	Rate.					Number.	Rate per 1000 Net Births.	
1912	282,988	7828	7831	27.7	4049	14.3	55	90	795	101	4084
1913	287,032	7907	7904	27.5	4266	14.8	71	107	1025	131	4230
1914	291,118	7896	7902	27.1	4357	14.9	71	80	960	121	4366
1915	291,118	7232	7230	24.8	4193	16.7	107	103	867	120	4494
1916	265,764	6701	6712	23.2	4277	16.1	85	74	764	121	4266
1917	216,357	5271	5252	19.1	3996	16.2	120	99	634	120	3975
											16.1

Area of district in acres } 9359.
(land and inland water) . . }

Total population at all ages..... 277991 (at Census 1911.).

The following table shews the general death-rate and death-rates per 1000 from the seven principal Zymotic diseases in Hull for the years 1898 to 1917 :—

Year.	Birth-rate per 1000.	Death-rate per 1000.	Seven Zymotic Diseases.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Fevers.	Diarrhoea.
1898	33.4	18.0	2.63	—	0.34	0.11	0.04	0.29	0.24	1.58
1899	33.8	18.8	3.38	0.61	0.47	0.17	0.09	0.56	0.18	1.26
1900	32.7	19.2	3.02	0.07	0.54	0.17	0.06	0.28	0.20	1.69
1901	33.1	18.3	3.02	—	0.48	0.06	0.15	0.38	0.22	1.70
1902	31.8	16.8	2.19	—	0.76	0.07	0.34	0.42	0.18	0.41
1903	31.2	16.6	2.22	0.02	0.47	0.03	0.30	0.09	0.07	1.24
1904	30.9	18.3	3.46	0.01	0.70	0.05	0.24	0.24	0.14	2.07
1905	30.0	16.1	2.35	0.01	0.08	0.10	0.28	0.47	0.08	1.31
1906	30.0	17.1	2.80	0.04	0.23	0.03	0.51	0.26	0.18	1.54
1907	29.1	16.2	1.89	0.00	0.66	0.05	0.24	0.37	0.06	0.49
1908	30.5	16.5	2.40	—	0.34	0.01	0.17	0.20	0.08	1.59
1909	29.6	15.1	1.38	0.00	0.28	0.04	0.22	0.18	0.04	0.60
1910	29.1	15.5	1.93	0.00	0.26	0.05	0.16	0.24	0.11	1.10
1911	28.5	16.6	3.20	—	0.34	0.04	0.07	0.33	0.24	2.20
1912	27.7	14.4	1.08	—	0.52	0.00	0.07	0.09	0.11	0.32
1913	27.5	14.7	1.75	—	0.04	0.00	0.12	0.26	0.14	1.17
1914	27.1	15.0	1.71	—	0.32	0.02	0.16	0.16	0.14	0.91
1915	24.8	16.7	1.68	—	0.13	0.02	0.21	0.20	0.05	1.0
1916	23.2	16.6	1.24	—	0.22	0.03	0.09	0.22	0.09	0.61
1917	19.1	16.1	1.32	—	0.02	0.04	0.11	0.37	0.06	0.73

NOTE.—In this table 0.00 indicates that the deaths were too few to give a rate of 0.005 ; when no deaths occurred — is inserted.

CASES OF INFECTIOUS DISEASE NOTIFIED.

DISEASE.	NUMBER OF CASES NOTIFIED.							TOTAL CASES NOTIFIED IN EACH LOCALITY.														Total Cases removed to Hospital.			
	At all ages.	At Ages—Years.						Drypool.	Alexandra.	Southcoates.	Beverley.	East Central.	West Central.	Newland.	Park.	Paragon.	Whitefriars.	Myton.	Botanic.	Albert.	Coltman.		N. Newington.	S. Newington.	
		Under 1 year.	1 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.																		65 and upwards.
Small Pox ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cholera (C) Plague (P)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria (including Membranous croup) ..	361	1	66	220	54	20	—	—	9	24	18	7	15	19	38	8	5	1	17	14	12	40	55	79	262
Erysipelas ..	77	12	85	348	4	21	26	18	5	8	7	2	6	1	7	2	3	1	7	4	5	7	4	8	—
Scarlet Fever ..	504	12	85	348	54	21	1	—	19	55	40	21	22	18	48	9	10	1	14	18	22	50	26	131	404
Typhus Fever ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric Fever ..	65	—	2	12	16	18	11	6	13	3	3	7	2	5	4	1	2	—	9	1	3	5	2	5	41
Relapsing Fever ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Continued Fever ..	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Fever ..	8	—	—	—	3	5	—	—	—	—	—	—	—	—	2	—	—	1	1	—	1	—	—	—	—
Cerebro-Spinal Meningitis ..	10	—	1	2	3	4	—	—	3	—	—	1	1	—	—	—	—	—	1	1	—	1	—	—	2
Poliomyelitis ..	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Neonatorum ..	69	69	—	—	—	—	—	—	6	5	4	1	4	5	1	2	1	1	3	4	6	11	1	14	—
Pulmonary Tuberculosis ..	409	—	4	33	110	191	67	4	25	24	50	9	30	30	27	20	29	4	26	19	27	27	11	51	187
Other forms of Tuberculosis ..	88	2	21	36	25	3	1	—	10	10	9	3	9	6	3	1	1	2	1	3	6	3	3	18	1
Measles ..	143	11	32	70	21	6	3	—	4	15	13	6	10	6	30	9	8	1	8	9	9	9	3	7	23
Anthrax ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hydrophobia (in man)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ..	1735	87	214	725	290	282	109	28	95	145	146	57	99	90	160	52	61	12	87	73	90	148	107	313	937

Hospitals.

The following tables shew the number of patients admitted into the two Infectious Diseases Hospitals, and the diseases from which they were suffering :—

CITY HOSPITAL, HEDON ROAD.

AGE AND SEX OF PATIENTS.																	Total.			
DISEASES.	Under 1 year.		1 to 5.		5 to 15.		15 to 25.		25 to 35.		35 to 45.		45 to 55.		Above 55 years.		Males.	Females.	Total Admissions.	Deaths.
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.								
City Cases.																				
Scarlatina—																				
Admissions ..	1	..	31	31	108	148	17	22	..	6	2	..	2	..	..	..	161	207	368	..
Deaths	3	1	30	1	..	..	..	..	..	..	..	..	..	..	6	2	..	8
Diphtheria—																				
Admissions	27	16	61	90	9	37	1	5	2	2	..	..	..	..	100	150	250	..
Deaths	4	1	3	7	1	..	..	..	..	..	..	..	..	..	8	8	..	16
Typhoid Fever—																				
Admissions	1	7	1	3	8	2	4	2	5	2	..	2	1	18	20	38	..
Deaths	1	1	1	..	..	2	1	3	3	..	6
Cerebro-Spinal Fever—																				
Admissions	1	..	..	..	..	..	..	..	1	1	..
Deaths
Isolation—																				
Admissions	1	..	2	2	2	..	..	..	1	..	..	..	..	..	5	3	8	..
Deaths	2	..	1	..	..	..	..	..	..	..	..	..	3	..	..	3
Cases from outside Authorities.																				
Scarlatina—																				
Admissions	1	2	4	9	2	1	..	1	..	..	..	..	..	..	7	13	20	..
Deaths
Diphtheria—																				
Admissions	1	1	..	..	1	..	..	..	..	..	..	1	..	1	3	4	..
Deaths
Typhoid Fever—																				
Admissions	1	1	..	..	..	..	..	..	..	..	1	1	2	..
Deaths
Port Sanitary Authority.																				
Typhoid Fever—																				
Admissions	1	..	..	..	..	..	..	..	1	..	1	..
Deaths
Isolation—																				
Admissions	1	..	..	..	..	..	..	..	..	..	1	..	1	..
Deaths
Military and Naval Cases.																				
Scarlatina																				
Admissions	14	..	..	..	1	..	..	..	..	..	15	..	15	..
Deaths
Diphtheria—																				
Admissions	4	..	1	..	..	..	..	..	..	..	8	..	8	..
Deaths
Cerebro-Spinal Meningitis—																				
Admissions	13	..	5	..	2	..	..	..	..	..	20	..	20	..
Deaths	5	..	1	..	1	..	..	..	..	..	7	..	..	7
Measles—																				
Admissions	3	..	..	..	..	..	..	..	..	..	3	..	3	..
Deaths
Isolation—																				
Admission	3	..	1	..	1	..	..	..	..	..	5	..	5	..
Deaths
																	346 398 714 40			

Five hundred and four city cases of Scarlatina were notified to the authority, of which number 369 (or 73·2 per cent.) were removed to hospital. Eight deaths occurred in hospital.

Three hundred and sixty-one persons were notified as suffering from Diphtheria. Of this number 250 (or 69·2 per cent.) were removed to hospital, 13 proving fatal.

Sixty-five cases of Typhoid Fever were notified, of which number 38 (or 58·4 per cent.) were removed to hospital, 12 proving fatal.

Of the 187 cases of Tuberculosis treated in hospital, 9 (or 4·8 per cent.) died.

NOTE.—These percentages do not include port cases or cases admitted from outlying districts.

EVAN FRASER HOSPITAL.

Only ninety-six cases (see table) were admitted direct into this hospital. Owing, however, to the limited accommodation at the City Hospital, Hedon Road, 217 Scarlatina and 79 Diphtheria convalescent patients were transferred to the Evan Fraser Hospital.

TUBERCULOSIS.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

SUMMARY OF NOTIFICATIONS.

	Number of Notifications from Private Medical Practitioners.														Number of Notifications from School Medical Officers.				Number of Notifications from Medical Officers of Poor Law Institution and Sanatoria.		
	Primary Notifications.														Total Notifications (i.e., including cases previously notified by other doctors).	Primary Notifications.			Total Notifications (i.e., including cases previously notified by other doctors).	Poor Law Institutions.	Sanatoria.
																Under 5.	5 to 10.	10 to 15.				Total.
	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and upwards.	Total.									
Pulmonary—Males ..	—	3	7	9	23	24	61	53	34	18	—	232	260	—	1	—	1	2	15	10	
Do. Females ..	—	1	9	8	35	28	41	36	13	2	4	177	194	—	2	9	11	6	2		
Non-Pulmonary—Males ..	2	11	14	8	14	2	2	—	—	—	—	53	57	—	—	1	1	1	—	—	
Do. Females ..	—	10	6	8	7	2	1	—	1	—	—	35	37	—	—	—	—	—	—	—	
Total ..	2	25	36	33	79	56	105	89	48	20	4	497	548	—	3	10	13	14	21	12	

Tuberculosis Sanatorium.

The Tuberculosis Sanatorium erected at Cottingham was first opened for the reception of insured and non-insured patients on 29th June, 1916. Total number of beds, 120.

The total number of patients admitted into the Sanatorium during the year was 187.

The following statement shews the number of patients receiving Sanatorium treatment during the year:—

AGE AND SEX OF PATIENTS.													Total.		Total Admissions.	Deaths.
TUBERCULOSIS.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 55		Above 55 years.		Males.	Females.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
Admissions	1	1	43	22	51	19	32	5	10	1	2	..	139	48	187	..
Deaths . . . . .	..	..	4	..	2	..	2	..	..	..	1	..	9	..	..	9

AFTER-CARE TREATMENT.

As mentioned in my last report, an After-Care Committee was appointed, with two representatives from the Health Committee, for the purpose of dealing with patients after they have undergone Sanatorium treatment.

Each case is dealt with entirely on its merits. It is recognised that when a man has completed a course of treatment in an institution he is not always fit to resume his ordinary occupation. He is, therefore, when necessary, advised to undergo a short period of convalescence, during which time assistance in the form of extra nourishment is granted.

The After-Care Committee, through the munificence of Sir James Reekitt, Bart., have been able to acquire an estate known as "Northlands," Walkington, near Hull, to be used as a "Farm Colony," for the benefit of convalescent consumptive patients.

It is intended that the work of the Colony shall principally consist of market gardening, horticulture, poultry-keeping and pig-rearing, whilst later on, when more land is acquired, it may be possible to extend the occupation to agricultural pursuits.

Only arrested cases selected by the Medical Officer are being sent to the Colony, that is, persons who have previously undergone a course of treatment in a Sanatorium. There is every hope of effecting a permanent cure for those whose complaint has been taken in hand in time, and the Committee look confidently forward to the good results which are expected to follow.

Municipal Tuberculosis Dispensaries.

ANALYSIS OF APPLICATION.

Six hundred and fifty patients have applied for treatment or examination during the year, of whom 195 were contacts. The results of the examinations of contacts showed them to fall within the following classifications :—

Definitely Tubercular	..	..	..	..	54
Probably Tubercular	..	..	..	..	9
Suspected Tuberculosis	..	..	..	..	25
Non-Tubercular	..	..	..	..	65
Tuberculosis of organs other than Lungs	..	..			37
Suffering from disease other than Tuberculosis	..				5

SANATORIUM TREATMENT.

COTTINGHAM.

In Hospital on December, 31st, 1916	..	..	..	27
Do. do. 1917	..	..	..	49
Admitted during 1917	..	..	..	189
Discharged do. .. ..	..	..	..	169

IMMEDIATE RESULTS OF SANATORIUM TREATMENT.

Arrested	..	..	..	..	..	..	22
Much Improved	..	..	..	..	..	..	24
Improved	..	..	..	..	..	..	55
Slightly Improved		..	..	..	..	..	14
Stationery	..	..	..	..	..	..	20
Worse	..	..	..	..	..	..	19
Died	..	..	..	..	..	..	9
Absconded	..	..	..	..	..	..	4
Transferred to the City Asylum	..		..	..	..	..	1
Transferred to the Royal Infirmary	..		..	..	..	..	1

TUBERCULIN TREATMENT.

There were during the year 176 people placed on injections. Of those who had a prolonged course during 1917, the results were as follows:—

Arrested	..	..	..	..	..	..	6
Much Improved	..	..	..	..	..	..	—
Improved	..	..	..	..	..	..	46
Stationery	..	..	..	..	..	..	28
Left the district	..	..	..	..	..	..	5

The remainder are still continuing on injections.

GENERAL TREATMENT.

267 patients were placed on general medicinal treatment.

NURSES' VISITS.

The total number of visits paid by the Nurses during the year was 3,975.

RE-EXAMINATIONS.

The total number of patients re-examined during the year was 845.

SPUTUM.

147 specimens of sputum were sent to the City Analyst to be examined. Of these 37 were positive for the tubercle bacilli, and 110 were negative. Of the total number 8 were re-examinations.

ATTENDANCES AT THE DISPENSARIES.

The following table shows the attendances at the Dispensaries during the various months :—

	Attendances at Dispensaries.	Contacts examined.	Visits paid by acting Tuber- culosis Officers.	Visits paid by Nurses.
January ..	954	18	11	400
February ..	704	16	7	367
March ..	750	14	9	343
April ..	632	21	8	324
May ..	779	17	6	217
June ..	679	11	6	344
July ..	635	6	6	283
August ..	606	16	2	323
September ..	678	25	4	348
October ..	743	23	10	338
November ..	679	16	5	363
December ..	427	12	6	325
	<hr/> 8266 <hr/>	<hr/> 195 <hr/>	<hr/> 80 <hr/>	<hr/> 3975 <hr/>

Food Inspection.

The following diseased conditions have caused the carcasses of the animal to be withdrawn for sale under the powers contained in the Public Health Acts :—

Tuberculosis,	122 carcasses.	Nephritis,	3 carcasses.
Traumatism,	12½ do.	Urticaria,	1 do.
Gangrene,	4 do.	Septicæmia,	1 do.
Decomposition,	74 do.	Parturient,	33 do.
Asphyxia,	14 do.	Liver Disease	25 do.
Swine Fever,	9 do.	and Dropsy,	
Anasarca,	14 do.	Immature,	32 do.
Enteritis,	32 do.	Phrenitis,	18 do.
Emaciation,	11 do.	Rheumatic	
Unmarketable,	13½ do.	Arthritis and	
Blackquarter,	3 do.	Emaciation,	7
Pericarditis,	2 do.	Pyrexia,	11 do.
Anthrax,	2 do.		<hr/>
Empysemua,	2 do.	Total Carcasses,	446
			<hr/>

A considerable quantity of meat was also withdrawn from sale for minor local disease conditions, and is included in the total quantities of meat condemned.

Total of food Condemned (Weight in lbs.).—Meat, 129,020 ; Fruit, 361,763 ; Fish, 1,055,461 ; Game, &c., 5,820.

Tuberculosis.—Carcases affected with this disease have been dealt with according to the recommendations of the Royal Commission on Tuberculosis. The various animals affected were :—Cows, 67 ; Heifers, 18 ; Oxen, 12 ; Pigs, 19 ; Calves, 6. Total, 122.

Bacteriology. — In addition to ordinary routine examinations, 271 special investigations were made, of which 266 were negative and 5 positive. The specific Bacillus of Anthrax in 2 cases and the Bacillus of Blackquarter in 3 cases being recovered.

Veterinary Work.—51 inspections of animals in the Corporation Fat Stock Market, for the purposes of the Public Health Act, have been made.

24 cases have been dealt with under the Contagious Diseases (Animals) Acts, and evidence in support of prosecutions given at the police courts.

In connection with cases of alleged cruelty to animals, 21 inspections have been made on behalf of the Police, and evidence given in support at the Police Court.

Professional assistance has been given when required to the local officer of the Society for Prevention of Cruelty to Animals.

Number of visits to stables of the Health Highways, Fire Brigade and Asylum Committees, 1,902. Number of cases treated, 235.

**Housing of the Working Classes Act, 1890,
Housing, Town Planning, etc., Act, 1909,
and
Housing (Inspection of District) Regulations.**

The work under this heading has, owing to existing conditions, necessarily been curtailed. The following is a brief summary of the work done under the above Acts and Regulations.

Seven dwelling-houses were represented to the City Council as unfit for human habitation and Orders made for their compulsory closure. Thirty-two dwelling-houses have been demolished by their respective owners after 22 Closing Orders, and 10 after Demolition Orders were made.

The drains of 13 dwelling-houses have been reconstructed and sanitary defects remedied.

Midwives Act, 1902.

In accordance with Section 10 of the Midwives Act, 1902, forty-eight Midwives notified their intention of practising within the district during the year. Twenty-three of this number were hospital-trained midwives and twenty-five bona-fide midwives.

No. of births notified	..	..	..	..	5167
Do. attended by medical practitioners					1678
Do. do. midwives	..	..			3489
Do. cases where medical help was sent for..					486
Do. still-births notified	..	..	..		140
Do. deaths of infants do.	..	..	..		12
Do. notices of burial of infants	..	..			167
Do. first visits to infants	..	..	..		4419
Do. re-visits do.	..	..	..		15815
Do. visits and inspection	..	..	..		1986

Puerperal Fever.

No. of cases notified and investigated	..	..	8
Do. attended by medical practitioners	..		3
Do. do. trained midwives	..		1
Do. do. bona-fide do.	..		4
No. of instrumental deliveries	..	..	3
Do. abortions	..	..	2

Ophthalmia Neonatorum.

Sixty-nine cases of Ophthalmia Neonatorum were notified, 31 by medical practitioners and 38 by midwives. One case resulted in total blindness.

Miscellaneous Work.

This includes the investigation of the following cases :— Whooping cough, 69 ; diarrhoea, 137 ; and cerebro-spinal fever, 5 ; neglected children, 5,766 visits ; women's lodging-house, 15 visits.

The total number of visits paid and notifications dealt with equalled 34,693.

Maternity and Child Welfare.

The following figures shew the number of attendances at the Clinics :—

Number of Individual	{ expectant mothers	..	..	..	397
	{ nursing do.	..	..	..	231
	{ children	..	..	..	1318
Total number of Attendances	{ expectant mothers	..	..		418
	{ nursing do.	..	..		281
	{ children	..	..	..	3470

Two Clinics under Municipal control are situate in East and West Hull, whilst one in Central Hull was up to the end of the year under a voluntary agency. This has since been taken over by the Corporation. The Clinics are open three days per week, and have the services of a Medical Officer, with the assistance of the Health Visitors.

Supplies of cod liver emulsion, virol and chemical foods are granted in necessitous cases, and also the services of a free midwife when recommended by the Clinie Medical Officer.

Complicated and necessitous cases of pregnancy are admitted into the Corporation's Maternity Home. The number of cases admitted during the year was 111, of which 7 were emergency cases.

One hundred and eight patients were discharged convalescent, the remaining two being transferred to the Royal Infirmary for operation, one for abdominal tumour and one for cæsarian section.

Four deaths of infants occurred in the Home, three being due to premature birth and one to an enlarged liver.

Five nurses received training and all obtained the C.M.B. certificate.

CHILD WELFARE EXHIBITION.

A child welfare and food economy exhibition was held in the Guildhall from the 15th September to the 6th October.

Lectures and demonstrations were given by many ladies and gentlemen interested in this work. The exhibition was largely attended by the general public and also by some thousands of school children. In all over 90,000 persons attended.

A strong feature at the exhibition was the preparation, printing and distribution of several thousand bills dealing with the care of the teeth, infectious diseases, the care of babies, advice to parents, economical meals, &c.

The fact that the interest of the exhibition was maintained during the whole three weeks it was open is evidence that it was appreciated and, doubtless, achieved the objects for which it was promoted.

Public Health (Venereal Diseases) Regulations, 1916.

The Regulations issued by the Local Government Board for combating Venereal Diseases have received the careful consideration of the Health Committee, and, as a result, the following scheme, approved by the Local Government Board, was finally decided upon :—

(1) Three Clinics (two for males and one for females) of two and a-half hours' duration each per week, to be held at the Hull Royal Infirmary, at which institution four beds are set apart for suitable cases.

(2) A Medical Officer has been appointed to the Clinic, who carries out all microscopical and bacteriological examinations for the detection of organisms of venereal diseases. Specimens for the Wassermann test are sent direct to the Pathologist at the Leeds General Infirmary.

(3) Salvarsan, or its approved substitutes, is kept at and issued to medical practitioners from the Health Department when required, as are also the necessary outfits for taking specimens for examination.

(4) Suitable books are provided for keeping a correct record of cases treated, and in order that reports may be submitted periodically to the Health Committee, and the necessary returns furnished to the Local Government Board.

The Clinic was first opened on the 1st December. The attendances up to the end of the year numbered 36 (26 males and 10 females). The attendances have since greatly increased and fuller particulars will be given in my next annual report.

SALE OF FOOD AND DRUGS ACTS.

Samples taken under the above Acts and submitted
to the Public Analyst.

DESCRIPTION OF SAMPLE.	No. of Samples.	Samples Taken.				Genuine.	Adulterated, &c.	No action taken.	Prosecutions.
		Officially.	Informally.	By Agent.	In course of Delivery.				
Ammoniated Tincture of Quinine	4	..	4	3	..	3	1	1	..
Baking Powder	12	4	8	8	..	10	2	2	..
Boric Acid Ointment ..	4	..	4	3	..	4	..	..	..
Butter	21	10	11	11	..	21	..	..	..
Camphorated Oil	8	..	8	4	..	8	..	..	..
Compound Liquorice Powder	6	..	6	..	..	6	..	..	..
Cream	8	..	8	4	..	8	..	..	..
Cream of Tartar	6	..	6	2	..	6	..	..	..
Egg Powder	6	..	6	2	..	6	..	..	..
Epsom Salts	5	1	4	4	..	4	1	1	..
Flour	10	..	10	10	..	10	..	..	..
Flour, Self-raising	8	..	8	8	..	8	..	..	..
Golden Syrup	2	1	1	..	..	1	1	..	1
Jam	1	..	1	..	..	1	..	..	..
Lard	20	..	20	10	..	20	..	..	..
Lard Substitute	8	..	8	..	..	8	..	..	..
Margarine	28	2	26	20	..	28	..	..	..
Milk	419	412	7	1	39	392	27	10	17
Milk Powder	1	..	1	..	..	1	..	..	..
Do, Separated	2	2	..	..	..	2	..	..	..
Do, Skimmed	1	1	..	..	..	1	..	..	1
Paregoric	5	1	4	4	..	2	3	2	1
Pepper	6	..	6	6	..	6	..	..	..
Rice, Ground	6	..	6	2	..	6	..	..	..
Do, Whole	7	..	7	2	..	7	..	..	..
Sugar	6	5	1	1	..	6	..	..	..
Sugarloaf	2	..	2	1	..	2	..	..	..
Sweet Spirit of Nitre ..	10	..	10	5	..	10	..	..	..
Tartaric Acid	2	..	2	..	..	2	..	..	..
Tea	1	1	..	..	..	1	..	..	..
Tincture of Iodine	7	1	6	4	..	6	1	1	..
Triacle	5	..	5	5	..	4	1	1	..
Vinegar	10	..	10	5	..	9	1	1	..
Whisky	1	1	..	..	..	1	..	..	..
Yorkshire Pudding Powder	6	2	4	3	1	3	3	3	..
Zinc Ointment	6	..	6	5	..	6	..	..	..
Totals	660	444	216	133	40	618	42	22	20

Factories and Workshops Acts, Shops Acts, and Employment of Children Act.

TOTAL INSPECTIONS.			WORK ACCOMPLISHED UNDER	
			THE SHOPS ACT, 1912.	
Workshops	..	765	Shops on Register	.. 6296
Factories	..	51	————	
Workplaces	..	121	Notice not exhibited	.. 152
Laundries	..	9	Assistants' half-holiday	
Bakehouses	..	218	not allowed	.. 24
Re-Inspections, &c.	..	424	Meal Times not allowed	4
Outworkers' Lists			Open after Closing Hour	10
examined	..	348	Mixed Shops open after	
Steam Whistles	..	4	Closing Hour, Act not	
Theatres, Shops, &c.			complied with	.. 83
(E. C. A.)	292		Seats required	.. 90
Fire Escapes	..	21	Seats provided on request	84
Shops	..	7492	Prosecutions :	
Plans Examined	..	74	No. of Cases	.. 6
	————		Convictions	.. 5
Grand Total	..	9819	Withdrawn	.. 1
	————			

PROSECUTIONS INSTITUTED UNDER THE SHOPS, &C., ACTS.

Shops Act	..	5	..	4 convictions. Total
				Fines £2 11s.
Employment of Children	1			1 conviction.
				Total fine £2 2s.

TOTAL FAULTS REMEDIED.

Unregistered Workshops	52	Closing of Shops	..	93
Sanitary	..	159	Shop Seats	..
Fire Escapes	..	21	Steam Whistles	.. 1
Shop Notices	..	245	Employment of Children	30
Hours of Employment				
and Meal Times	..	28		
			Total	.. 803
				————

Fertilisers and Feeding Stuffs Act, 1906.

Four samples taken, one officially and three informally, under the above Act and submitted to the Agricultural Analyst for analysis were certified to be three "satisfactory" and one "unsatisfactory." This latter sample was followed up by the taking of an official sample which proved to be satisfactory.

Public Mortuary.

No. of bodies admitted (143 Males and 105 Females)	..	248
No. of post-mortem examinations	.. .. .	216
No. of Inquests held	.. .. .	235

Disinfecting Station.

Year.	No. of persons bathed.	No. of articles disinfected.	No. of books disinfected.	No. of premises disinfected.
1913	2826	24084	357	1624
1914	3493	38213	605	3628
1915	3795	46730	1105	2687
1916	6068	47038	627	3996
1917	7151	42857	370	1847

Attendances at Public Baths.

Year.	Beverley Road.	Madeley Street.	East Hull.	Newington (Open Air).
1913	136344	128949	95244	11958
1914	150950	134737	150950	16154
1915	136985	200779	98030	13192
1916	114849	124616	93015	15119
1917	141500	150330	112746	18975

Refuse Collection.

No. of loads dry-dust collected	.. .. .	27792
No. of loads nightsoil collected	.. .. .	25441
No. of loads refuse destroyed at destructors.	.. .. .	21648

In addition to above 3,230 mattresses, 1,596 dead animals and the contents of 74 fever pails were burnt at the destructors.

Nuisances.

Summary of Inspections, &c., made by the District Inspectors of Nuisances and of Notices served and work done as the result thereof.

Houses, &c., inspected and nuisances abated :—

No. of Complaints registered	708
No. of Houses, &c., inspected	4217
No. of Notices served*	2338
No. of Notices complied with*	2081

General Nuisances :—

No. of Drains, Gullies and W.C.'s cleansed ..	819
No. of Premises cleansed and limewashed ..	16
No. of Sanitary Conveniences repaired or amended	753

Drainage, &c.—

No. of supervisions of Drainage and other works in progress	151
No. of Privies converted into W.C.'s	16
No. of separate and combined Drains reconstructed	36
No. of separate and combined Drains repaired (including gullies placed on existing drains)	38

Manure Yards—

No. of inspections	758
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Milk Shops—

No. of Inspections	986
No. not in conformity with Regulations ..	3

Infectious Diseases—

No. of cases investigated by District Inspectors	1052
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Food Control—

No. of Inspections (under Local Authority) ..	3433
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* Principally informal notices.

